

FIG. 1

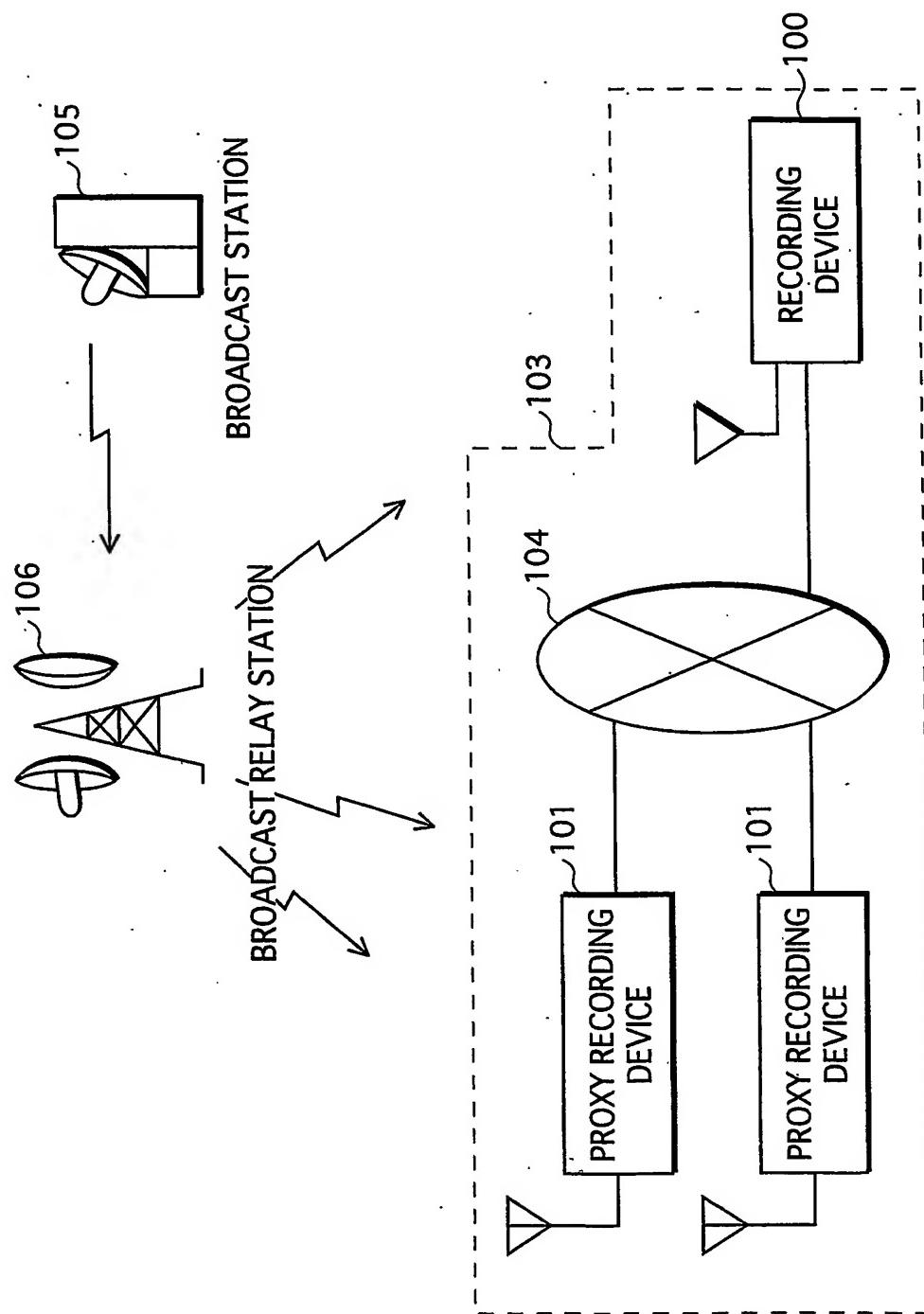


FIG.2 100

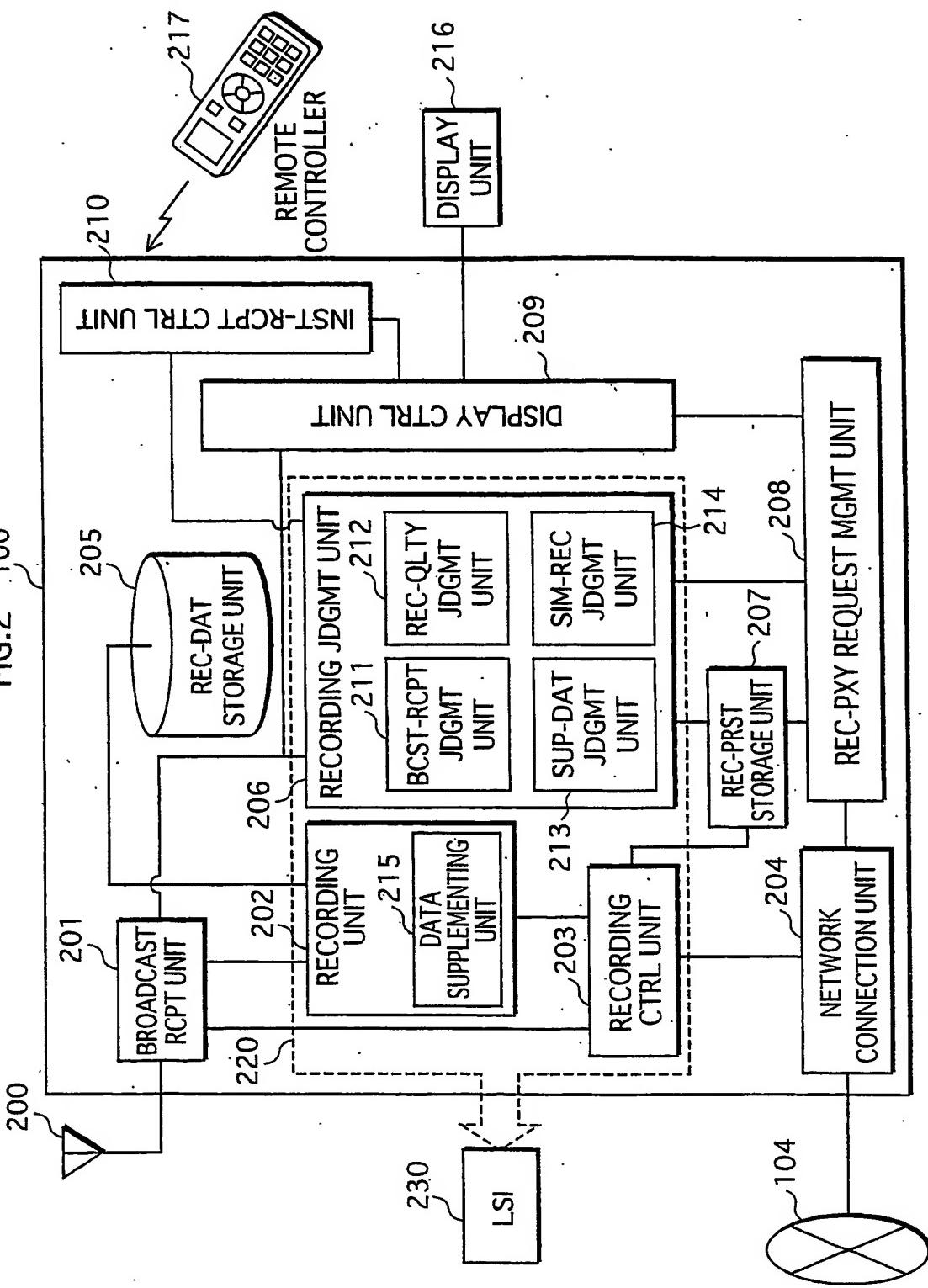


FIG.3

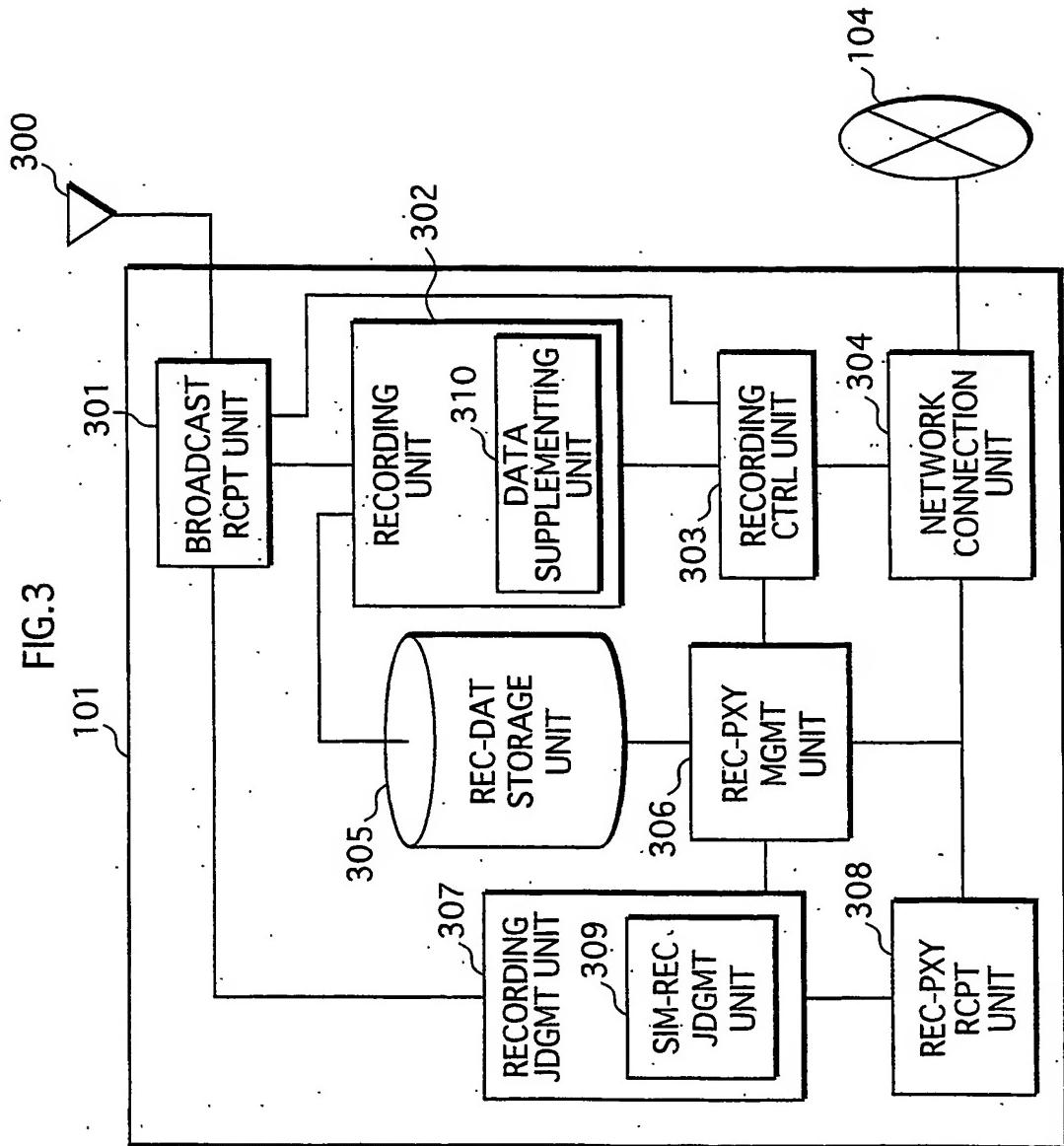


FIG.4

400 PROGRAM TABLE		401	402	403	404
PROGRAM ID	GLOBAL CH. ID	START DATE-TIME	END DATE-TIME		
:	:	:	:	:	
021230047012000	04701	2002/12/30 20:00	2002/12/30 20:53		
021230047012053	04701	2002/12/30 20:53	2002/12/30 21:00		
:	:	:	:	:	
021230089022000	08902	2002/12/30 20:00	2002/12/30 20:53		
021230089022053	08902	2002/12/30 20:53	2002/12/30 21:00		
021230089042000	08904	2002/12/30 20:00	2002/12/30 20:30		
:	:	:	:	:	

FIG.5

500 CHANNEL INFORMATION TABLE

501		502		503		504	
RECEIVABLE CH. REGION ID 47 (YOKOHAMA/KAWASAKI)	GLOBAL CH. ID	RECEIVABLE CH. REGION ID 89 (OSAKA)	GLOBAL CH. ID	RECEIVABLE CH. REGION ID 89 (OSAKA)	GLOBAL CH. ID	RECEIVABLE CH. REGION ID 89 (OSAKA)	GLOBAL CH. ID
1	04701	2		2	08902		
3	04702	4		4	08904		
4	04703	6		6	08906		
6	04706	8		8	08908		
8	04708	10		10	08910		
10	04710	12		12	08912		
12	04712	19		19	08919		
42	04742	34		34	08934		
46	04746	36		36	08936		

FIG.6

600 RECORDING CAPABILITY TABLE

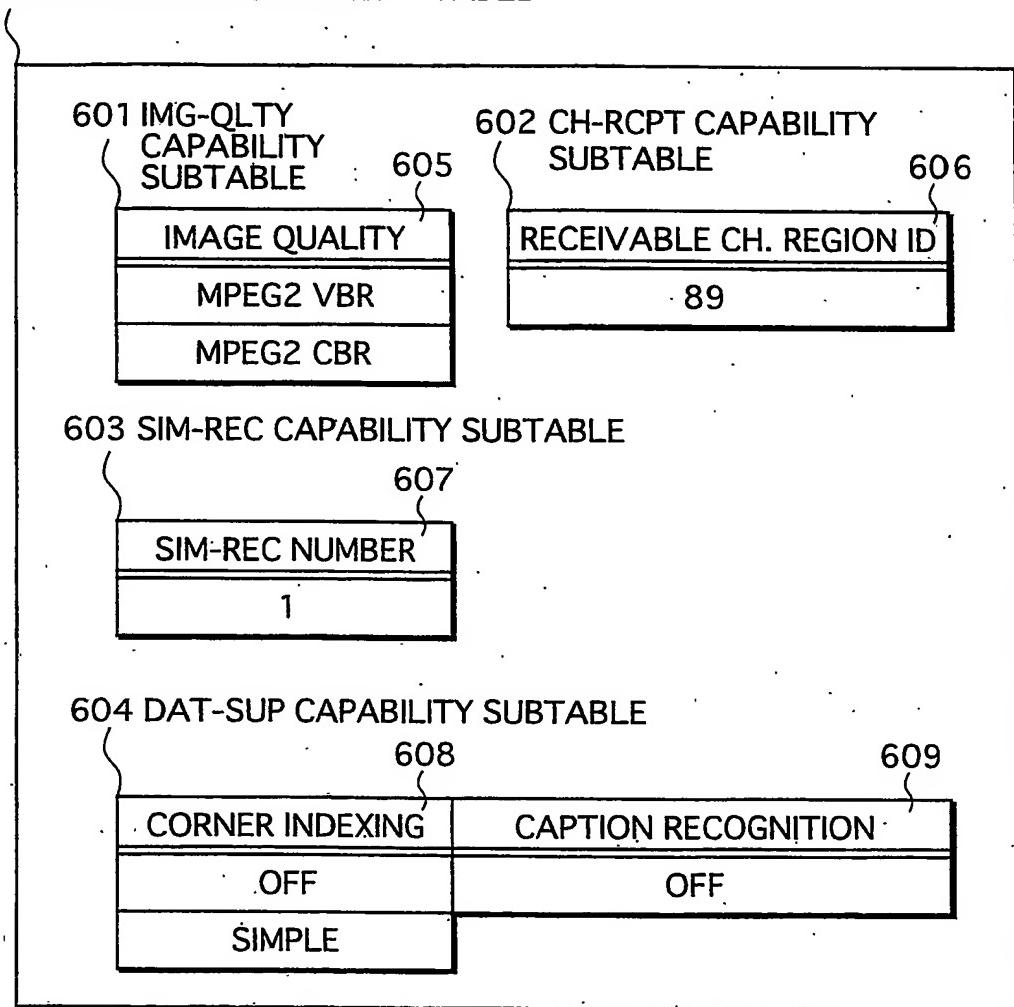


FIG.7

700 CRN-INDX CLASS. MASTER TABLE

ID	CORNER INDEXING
1	OFF
2	SIMPLE
3	ADVANCED
:	:

FIG.8

800 CPT-RECOG CLASS. MASTER TABLE

ID	CAPTION RECOGNITION
1	OFF
2	SIMPLE
3	ADVANCED
:	:

FIG.9

900 IMG-QLTY CLASS. MASTER TABLE

ID	IMAGE QUALITY
1	MPEG2 VBR
2	MPEG2 CBR
3	MPEG4
4	MPEG4 AVC
5	MPEG2 VBR(HQ)
:	:

FIG.10

1000 REC-PXY CAPABILITY LIST

PXY-REC DEVICE ID:22360679	
1001	1002
IMAGE QUALITY	RECEIVABLE CH. REGION ID
MPEG2 VBR	06
MPEG2 CBR	26
MPEG4	30
MPEG4 AVC	
SIM-REC NUMBER	
20	
CORNER INDEXING	CAPTION RECOGNITION
OFF	OFF
SIMPLE	SIMPLE
PXY-REC DEVICE ID:01200121	
1003	1004
IMAGE QUALITY	RECEIVABLE CH. REGION ID
MPEG2 VBR	01
MPEG3 VBR(HQ)	02
MPEG2 CBR	03
MPEG4	04
MPEG4 AVC	07
SIM-REC NUMBER	
12	
CORNER INDEXING	CAPTION RECOGNITION
OFF	OFF
SIMPLE	SIMPLE
ADVANCED	ADVANCED

FIG. 11

1100 RECORD PRESETTING CONTENT			
PROGRAM ID	IMAGE	SUPPLEMENTARY DATA	
	QUALITY	CORNER INDEXING	CAPTION RECOGNITION
021230089022000	MPEG2 CBR	SIMPLE	OFF

FIG. 12

1200 RECORD PRESETTING LIST			
PROGRAM ID	IMAGE QUALITY	SUPPLEMENTARY DATA	
		CORNER INDEXING	CAPTION RECOGNITION
021230089022000	MPEG2 CBR	SIMPLE	OFF
021230089022053	MPEG4	OFF	SIMPLE
:	:	:	:

FIG. 13

1300 REC-PXY REQUEST ACCEPTANCE LIST		PXY-REC DEVICE ID	IMAGE QUALITY	SUPPLEMENTARY DATA	
PROGRAM ID	PXY-MGMT ID			CORNER INDEXING	CAPTION RECOGNITION
:	:	:	:	:	:
021230047012000	0987654321ab	22360679	MPEG2 CBR	ADVANCED	OFF
021230047012053	0987654321ad	01200121	MPEG4	OFF	SIMPLE
:	:	:	:	:	:

FIG. 14

1400 RECORDING DATA ACQUISITION LIST		1401		1402		1403		1404		1405		1406	
PROGRAM ID	PXY-MGMT ID	PXY-REC DEVICE ID		IMAGE QUALITY		CORNER INDEXING		SUPPLEMENTARY DATA		CAPTION RECOGNITION			
021230047012000	0987654321ab	223360679		MPEG2_CBR		ADVANCED				OFF			
		:		:		:				:			

FIG.15

1500 RECORDING PROXY CAPABILITY TABLE

1501 IMG-QLTY CAPABILITY SUBTABLE

IMAGE QUALITY
MPEG2 VBR
MPEG2 CBR
MPEG4
MPEG4 AVC

1502 CH-RCPT CAPABILITY SUBTABLE

RECEIVABLE CH. REGION ID
06
26
30

1503 SIM-REC CAPABILITY SUBTABLE

SIM-REC NUMBER
20

1504 DAT-SUP CAPABILITY SUBTABLE

CORNER INDEXING	CAPTION RECOGNITION
OFF	OFF
SIMPLE	SIMPLE

FIG.16

1600 RECORDING-PROXY REQUEST MANAGEMENT TABLE

PXY-MGMT ID 1601	PXY-REC DEVICE ID 1602	PROGRAM ID 1603	IMAGE QUALITY 1604	SUPPLEMENTARY DATA 1605		1606
				CORNER INDEXING	CAPTION RECOGNITION	
0987654321ab	012345678	021230089062000	MPEG2 CBR	SIMPLE	OFF	
0987654321ac	173205081	021226047011700	MPEG4	SIMPLE	OFF	
0987654321ad	314159265	021231089062123	MPEG2 VBR	ADVANCED	ADVANCED	
:	:	:	:	:	:	

FIG.17

1703 USER MANAGEMENT TABLE				1701				1702			
1700		1701		1701		1702		1702		1702	
PXY-REC DEVICE ID	USAGE-AGREEMENT CONTENT	COURSE	LIMIT	COUNT	TIME	DATA VOL.	DATA VOL.	PXY-HIST INFO.	PXY-HIST INFO.	PXY-HIST INFO.	PXY-HIST INFO.
:	:	:	:	:	:	:	:	:	:	:	:
012345678	DATA VOL. LIMIT	20Gb	4	2	2 HR 45 MIN	1.8G					
173205081	USAGE-COUNT LIMIT	30 TIMES	6	5	5 HR 40 MIN	6Gb					
:	:	:	:	:	:	:	:	:	:	:	:

FIG. 18

800 USAGE-AGREEMENT MASTER TABLE	
1801	
1802	
COURSE	LIMIT
FLAT RATE	NONE
TIME LIMIT	10 HRS 20 HRS 30 HRS
USAGE-COUNT LIMIT	10 TIMES 20 TIMES 30 TIMES
DATA VOL. LIMIT	10Gb 20Gb 30Gb
PAY-BY-USAGE	NONE
PAY-BY-TIME	NONE
PAY-BY-VOLUME	NONE

FIG.19

1900 RECORDING DATA MANAGEMENT TABLE

REC-DAT MGMT NAME	PROGRAM ID	IMAGE QUALITY	SUPPLEMENTARY DATA		STORAGE ADDRESS
			CORNER INDEXING	CAPTION RECOGNITION	
021230089062000_M2v_CO_T0.mpg	021230089062000	MPEG2 VBR	ADVANCED	OFF	xxx.yyy.zzz/RecDATA/...
021230089062123_M2v_CO_T2.mpg	021230089062123	MPEG2 VBR	OFF	ADVANCED	xxx.yyy.zzz/RecDATA/...
:	:	:	:	:	:

FIG.20

2000 RECORDING DATA ACQUISITION LIST

REC-DAT MGMT NAME	PXY-MGMT ID	PXY-REC DEVICE ID
021230089062000_M2v_C2_T0.mpg	0987654321ab	012345678
021230089062123_M2v_C0_T0.mpg	0987654321ad	314159265
:	:	:

FIG.21

CH.6:OSAKA BROADCASTING	
8 PM	8 O'CLOCK NEWS
...	...
21 PM	TUESDAY NIGHT LIVE
...	...

PRESET	
IMAGE QUALITY	
CORNER INDEXING	
CAPTION RECOGNITION	

2100

CH.6:OSAKA BROADCASTING	
8 PM	8 O'CLOCK NEWS
...	...
21 PM	TUESDAY NIGHT LIVE
...	...

PRESET	
IMAGE DYNAMIC	
MPEG2 VBR	
CORNER INDEXING	
MPEG4	
CAPTION RECOGNITION	
MPEG7	

2101

2102

2103

2104

CH.6:OSAKA BROADCASTING	
8 PM	8 O'CLOCK NEWS
...	...
21 PM	TUESDAY NIGHT LIVE
...	...

PRESET	
IMAGE QUALITY	
CORNER INDEXING	
OFF	
SIMPLE	
ADVANCED	

CH.6:OSAKA BROADCASTING	
8 PM	8 O'CLOCK NEWS
...	...
21 PM	TUESDAY NIGHT LIVE
...	...

PRESET	
IMAGE QUALITY	
CORNER INDEXING	
OFF	
SIMPLE	
ADVANCED	

CH.6:OSAKA BROADCASTING	
8 PM	8 O'CLOCK NEWS
...	...
21 PM	TUESDAY NIGHT LIVE
...	...

PRESET	
IMAGE QUALITY	
CORNER INDEXING	
OFF	
SIMPLE	
ADVANCED	

FIG.22

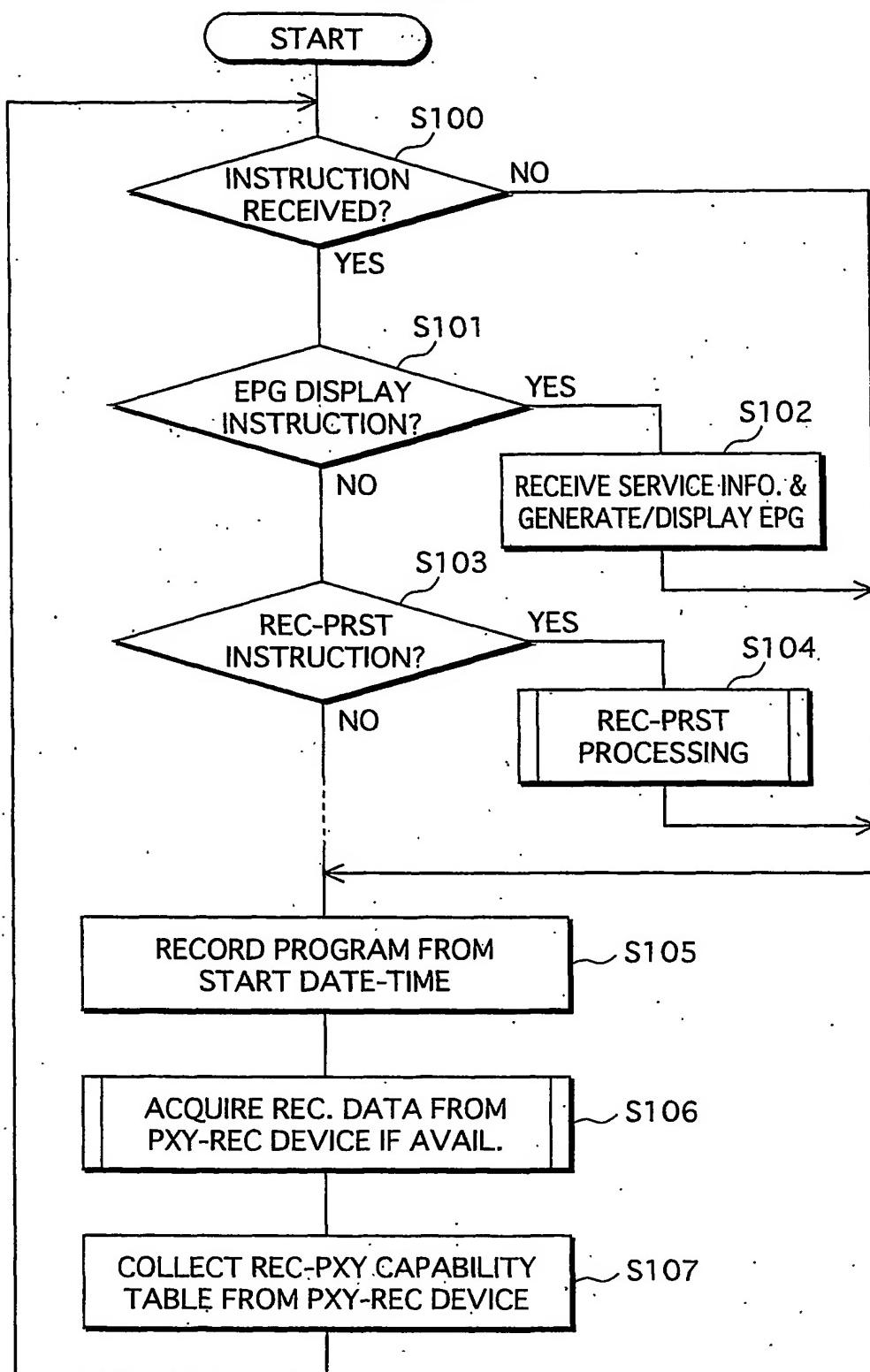


FIG.23

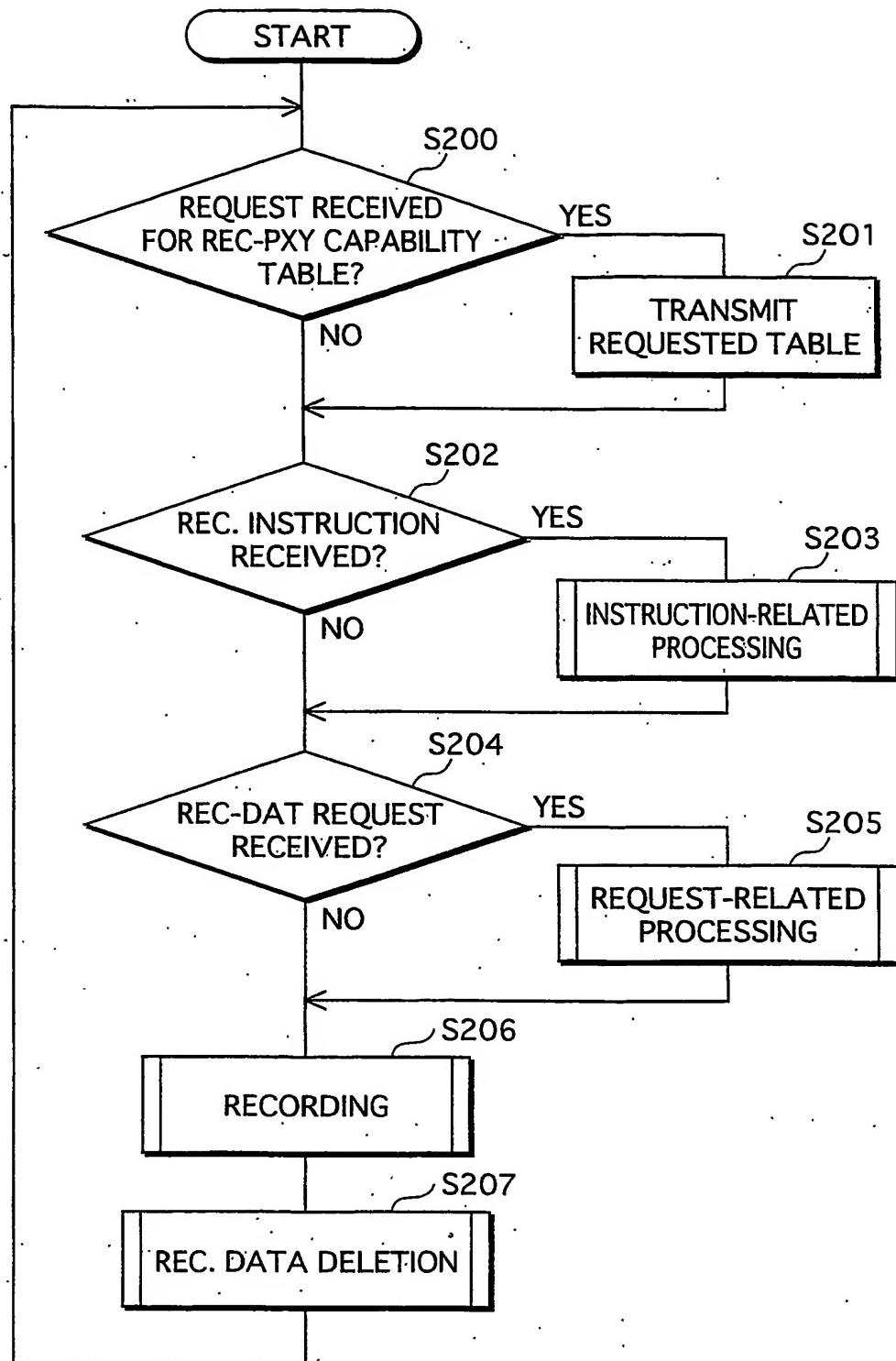


FIG.24

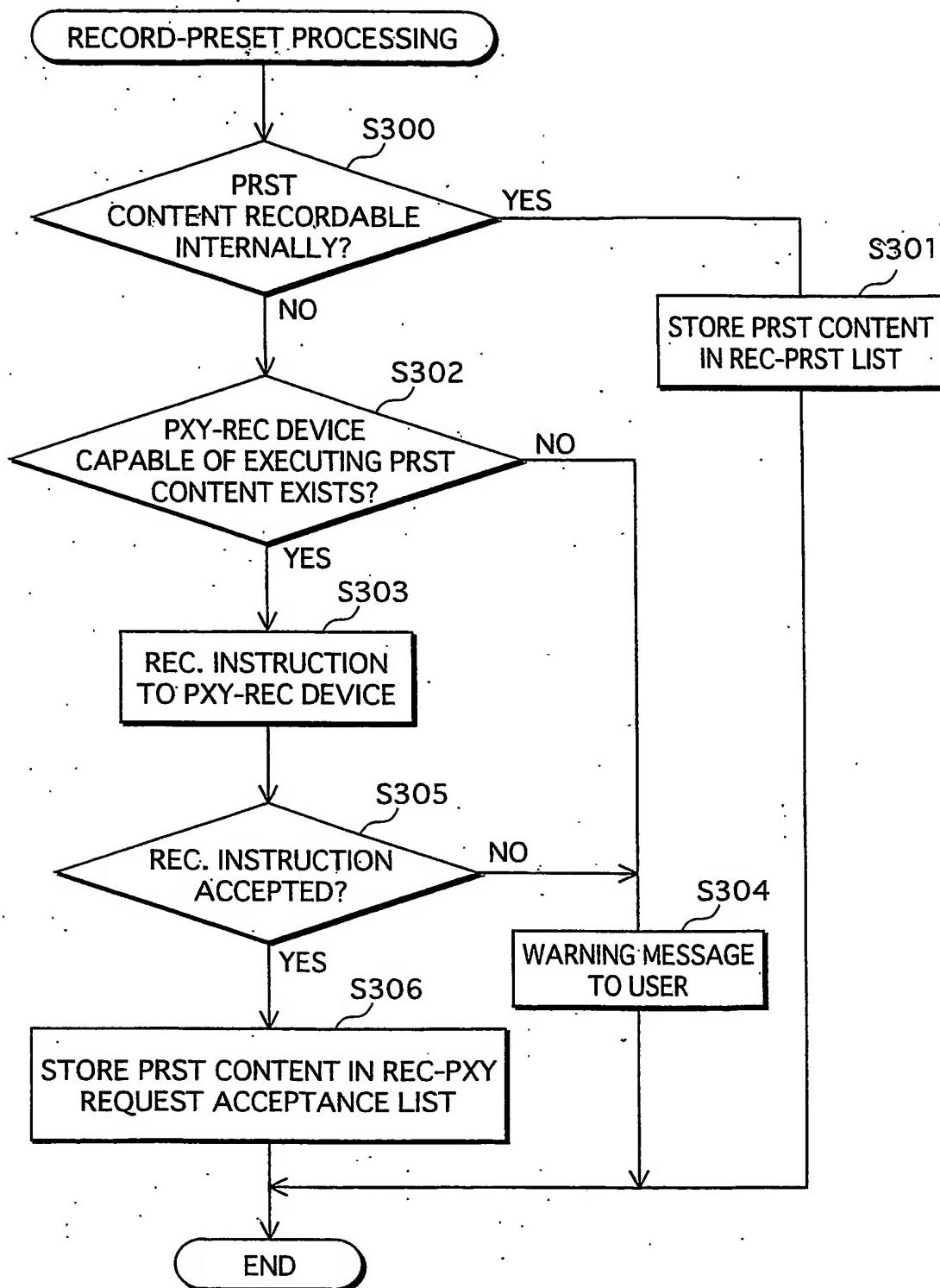


FIG.25

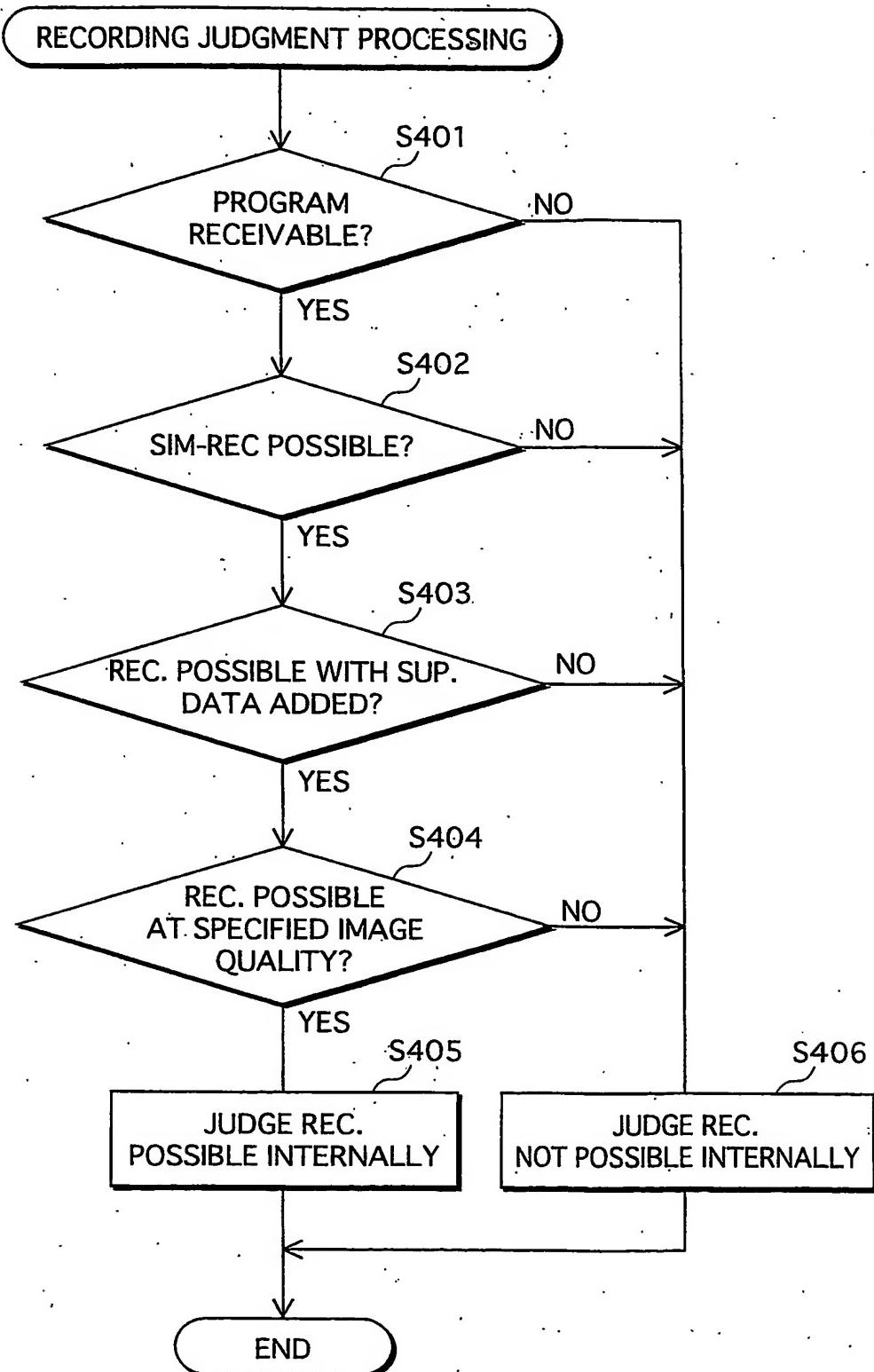


FIG.26

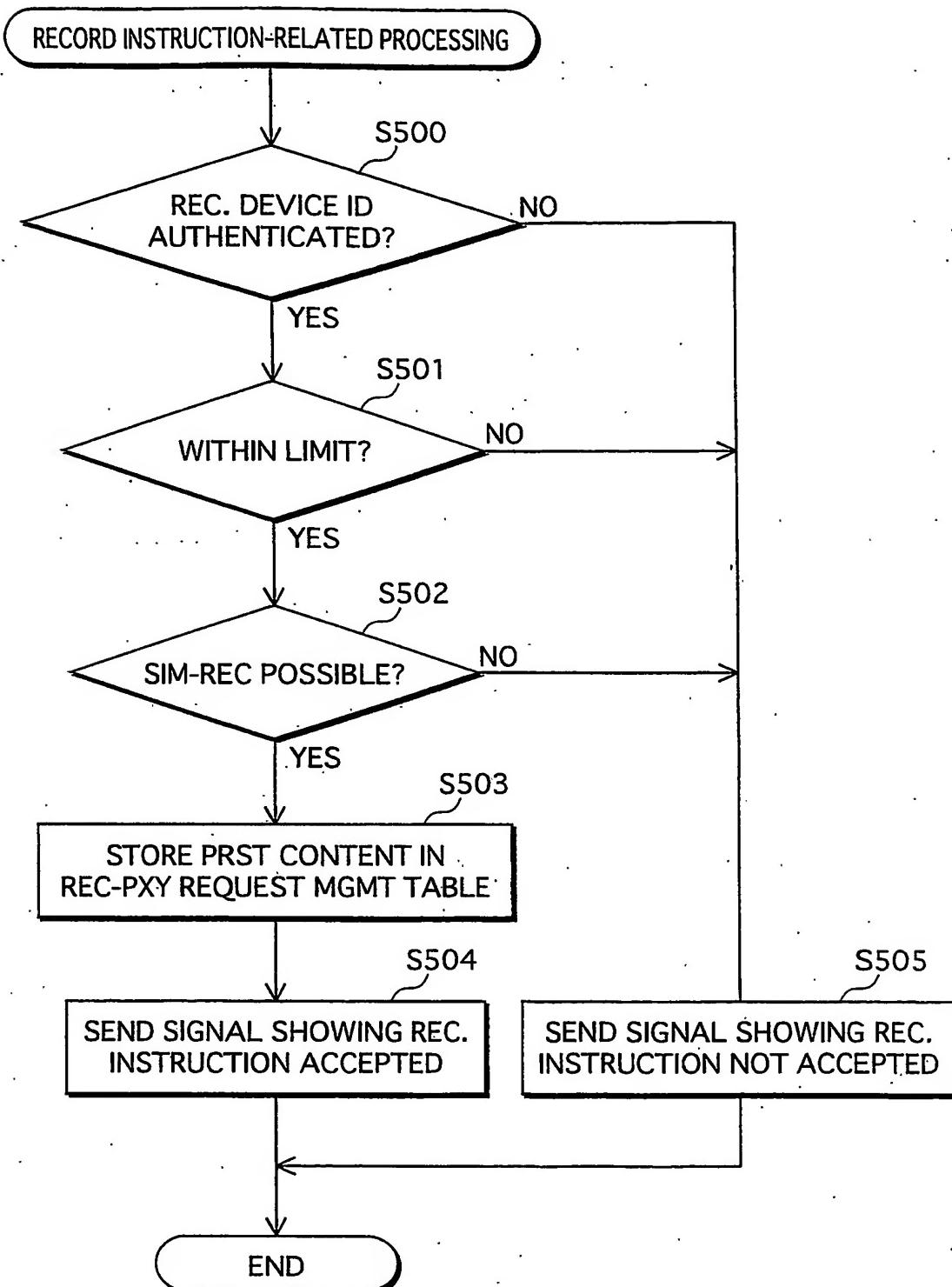
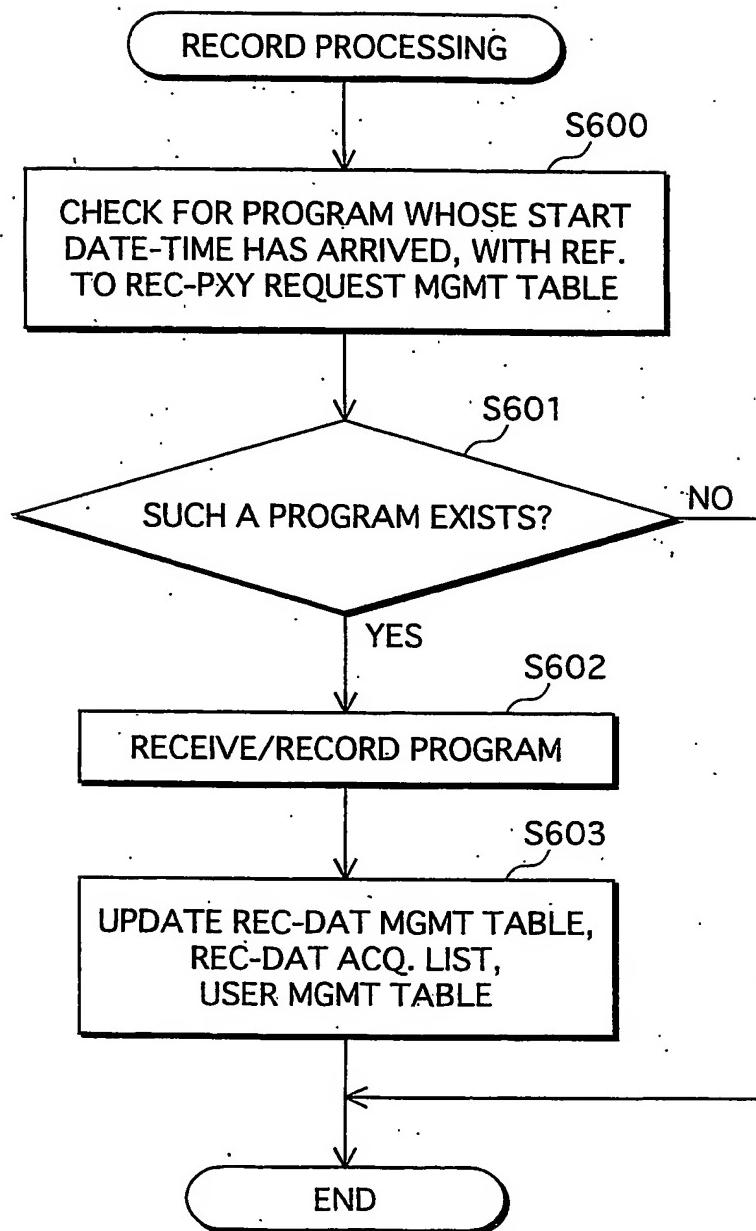


FIG.27



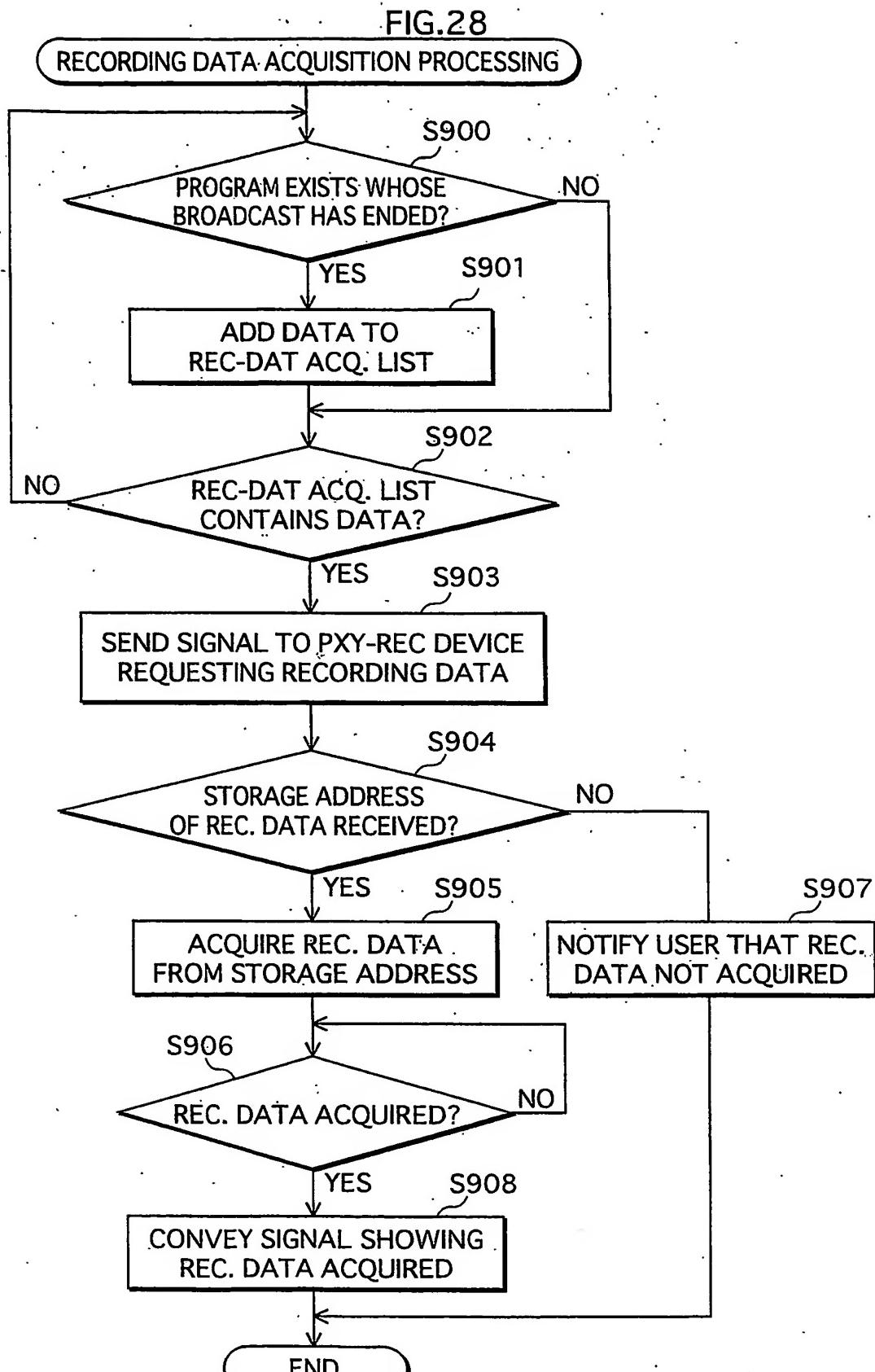


FIG.29

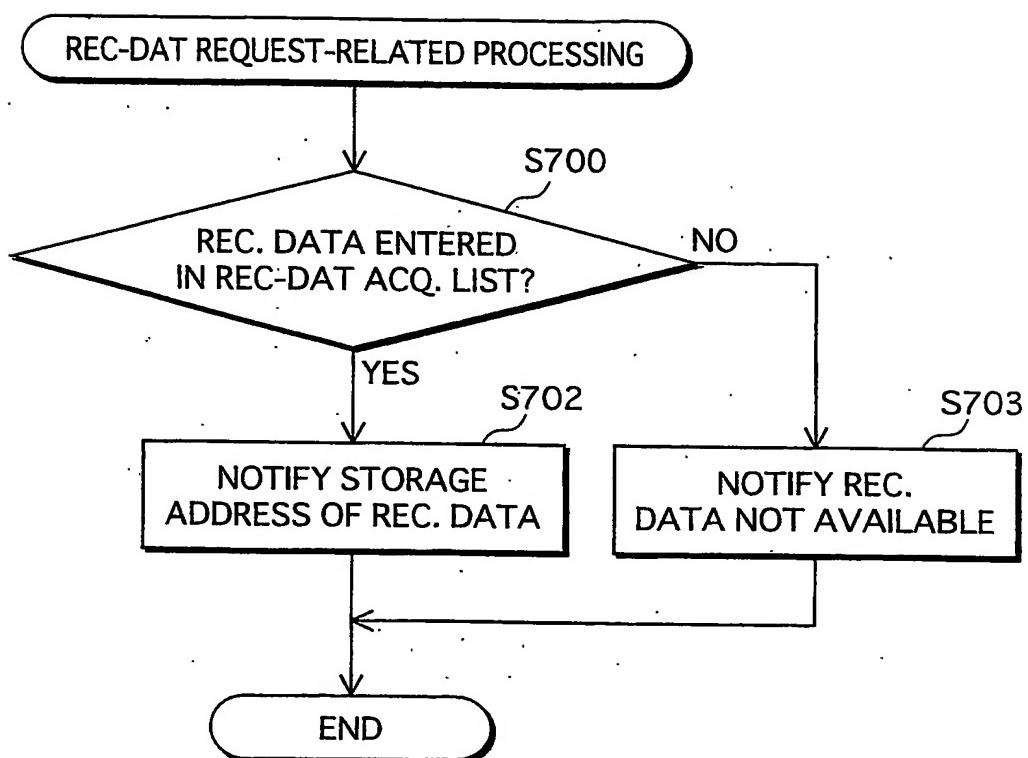


FIG.30

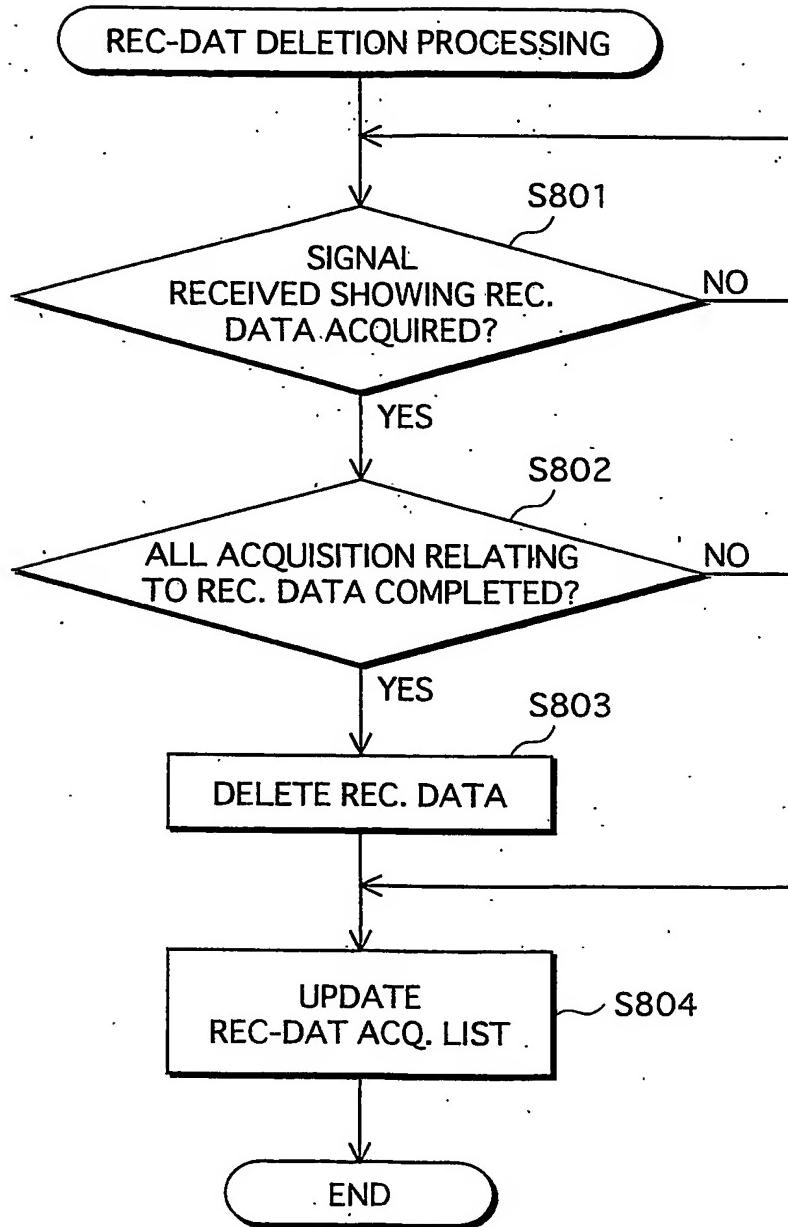


FIG.31

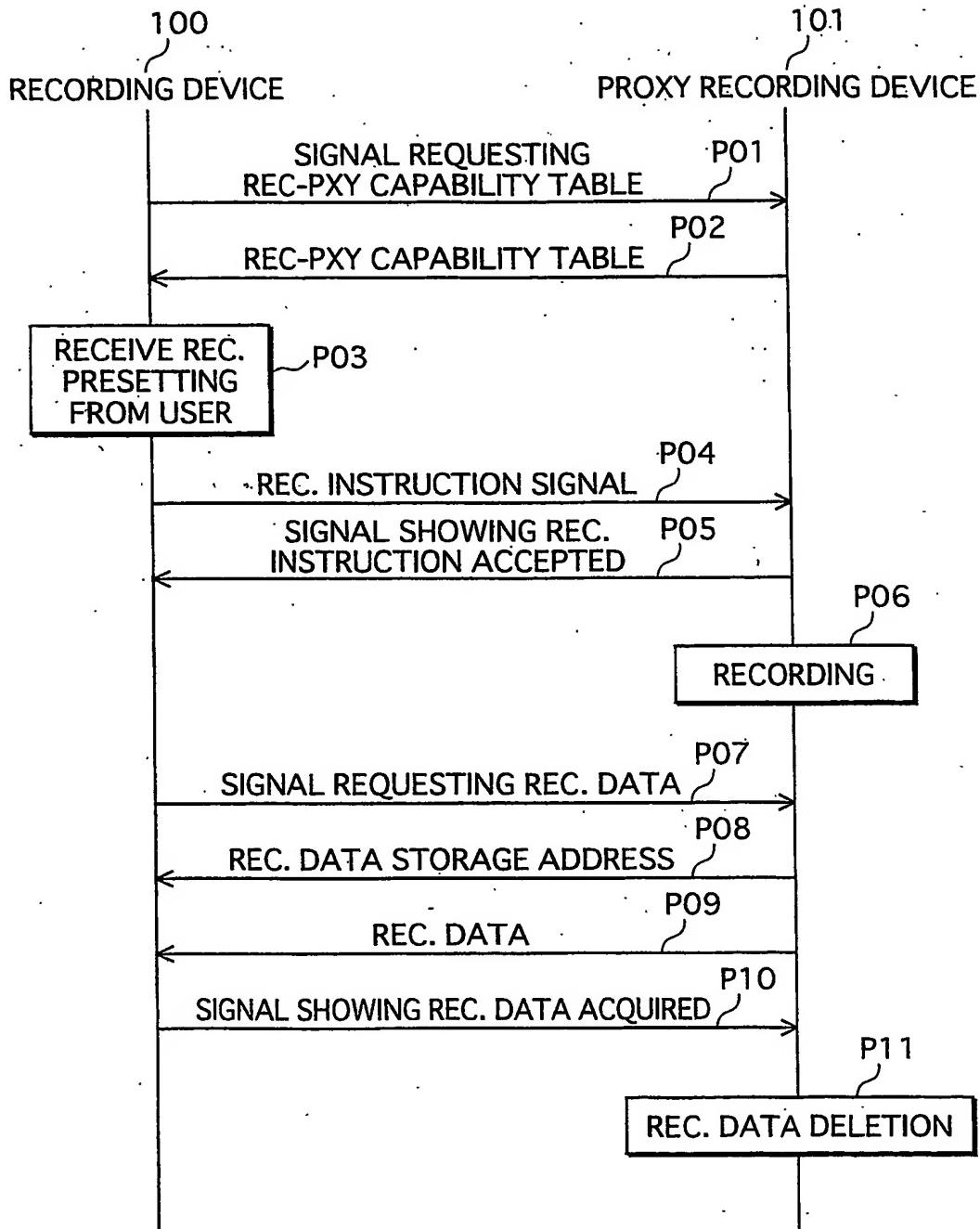


FIG. 32
,3200

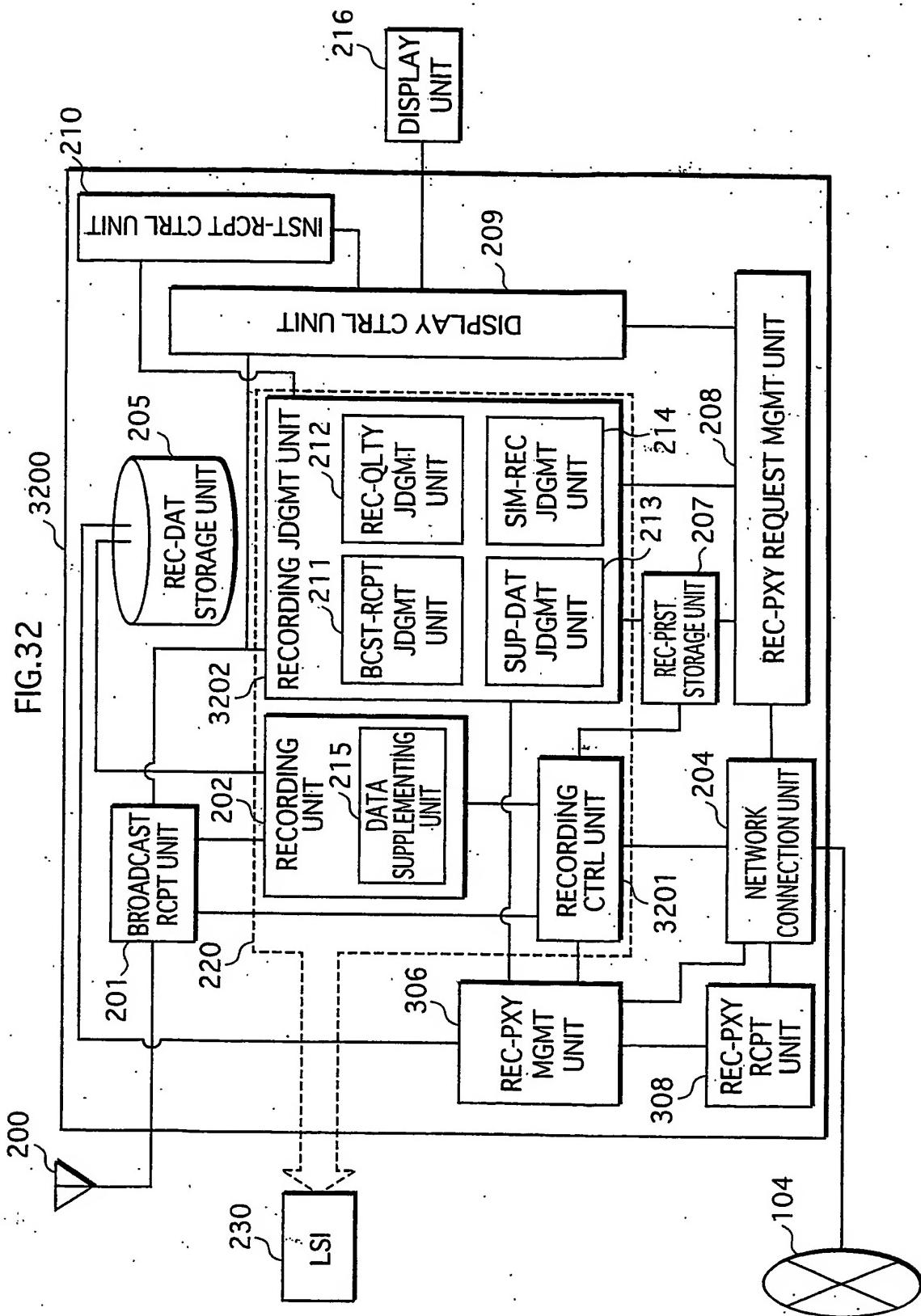


FIG.33

